smartLAB® scale W

Bathroom Scale with wireless data transfer

User Manual

Please read the user manual carefully before the first use.

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I. Introduction

Thank you for choosing our **smartLAB**®*scale W* Bathroom Scale. This product enables you to measure your body weight. Please read the instructions carefully before you first use the scale and keep the instructions for a future use.

Principle of measurement

Your **smartLAB**®*scale W* Bathroom Scale measures your body weight with the help of 4 high accurate sensores. This scale can be used by 8 different users.

The **smartLAB**®*scale W* Bathroom Scale is an ANT+ and *Bluetooth*® Smart device. It supports the ANT+ device profile and is compatible with receiving devices (such as sport watches, PC and Smartphones) that support the ANT+ weight scale device profile. With the integrated *Bluetooth*® Smart the **smartLAB**®*scale W* Bathroom Scale can also sent data via BLE to a corresponding receiver. You can then transmitt your values wireless to these receiving devices. The **smartLAB**®*scale W* Bathroom Scale will choose the correct data transfer technology for you.

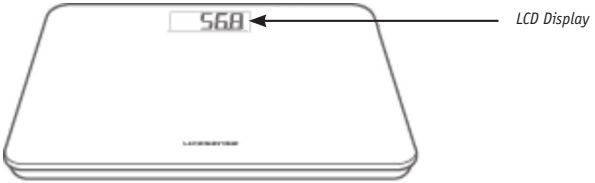
*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by HMM Diagnostics is under license. Other trademarks and trade names are those of their respective owners.

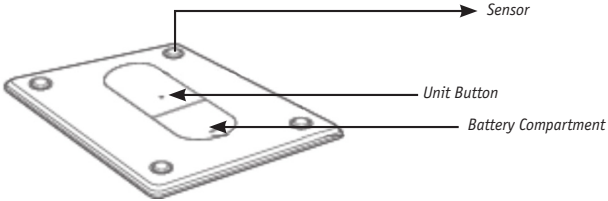
II. Your smartLAB® *scale W*

General Instructions

The **smartLAB**® *scale W* Bathroom Scale applies the SENSE ON technology. It's not necessary to turn on or turn off the scale, just stand on the scale for measurement. It will turn on automatically when stepping on.

Display & functions





LCD Display

kg	Kilogram
lb	Pound
W	Data transfer
	Low Battery

Specifications

1. Device: smartLAB® *scale W*
2. Max. capacity: 150 kg / 330 lb
3. Units: kg / lb (in 100 g / 0,2 lb steps)
4. Buttons: Units
5. User profiles: 8
6. Battery: 4 x AAA batteries (1,5 V)
7. Size (L x W x H): 321 x 321 x 23,5 mm
8. Weight: 1980 g (without batteries)
9. Operating temperature: 0°C - 40°C
10. Storage temperature: -20°C - 60°C
11. Symbol when overburdened: „----“
12. Symbol for low batteries: „ “
13. Communication/Data transfer: ANT+ and BLE wireless

Contents

1 smartLAB® *scale W* Bathroom Scale
1 User manual
4 1,5V „AAA“ batteries

General Information

- Please place the scale on an even,flat and hard floor. The floor is the basis for a correct measurement. Soft surface such as carpet will affect the performance of the scale. Measurement on a carpet can be enabled by the extension feet.
- If possible please use the scale at the same time every day (we recommend in the morning), after having used the toilet, with empty stomach and without clothes in order to be able to compare the results.
- Please wait about 15 minutes after getting up before you measure your body weight so that the water of your body can disperse.
- Please do not move during the measurement.
- Please wait several hours before measuring after unaccustomed physical exercise, sauna or bath, drinking and eating.

- The device is for your own use only and not for medical or commercial use.
- Please note that technical related measuring tolerances are possible since the scale is not especially made for professional medical use.
- The **smartLAB**®*scale W* Bathroom Scale corresponds to the EC directive 89/336.

Please feel free to contact the manufacturer or the customer service for more information.

Security information

⚠ Avoid slippery floor such as tile floor

⚠ Avoid using the device close to a microwave oven

⚠ Please do not use the **smartLAB**®*scale W* Bathroom Scale with wet feet – slip hazard! Avoid measuring platform immediately after bath.

⚠ Do not swallow the batteries – danger of life. Please store batteries and Bathroom Scale at a place children cannot reach. In case a battery has been swallowed, please consult a physician immediately.

⚠ Keep children away from the packaging materials - danger of asphyxiation!

⚠ Do not recharge the batteries. Do not take them to pieces. Do not throw them into a fire. Do not short-circuit them.

⚠ Avoid storage in following locations:
- Where there is water
- Where the device may be exposed to extreme temperature, humidity, moisture, direct sunlight, dust or salt air
- Where there is risk of shock or drop
- Where you store chemicals or full of corrosive gasses

III. Setup & Operating functions

Inserting and changing the batteries

- Please open the cover of the battery case at the back of the device.
- Insert 4 AAA batteries (1,5 V). Please pay attention to the polarity.
- The digits “8888” will appear on the LCD Display for about 10 seconds. After that the “W” Symbol will blink on the display. Now the scale is trying to communicate with the gateway.

- Close the cover of the battery case and wait until the digits “0.0kg” show on the display.

Important: Please make sure that your scale is close to a gateway when inserting and changing the batteries, so the gateway can set the scale and send important information like date and time. The „W“-Symbol on the scale indicates when the scale is trying to communicate with the gateway.

Note: In case the scale does not operate please remove the batteries and insert them again.

⚠ Your **smartLAB**® *scale W* Bathroom Scale has a symbol indicating that the batteries need to be changed. In case the batteries are almost empty, the symbol “▭” will show on the display. The device will power of in 4 seconds You should change the batteries then.

⚠ Please remove the batteries in case you are not going to use the scale for one month or more in order to avoid an automatic discharge of the batteries.

The Bathroom Scale as well as the batteries must be disposed according to the local regulations.

⚠ In order to guarantee a correct measurement you should calibrate the scale always after any location change. Just tip on the scale and wait until it shows “0.0” on the scale.

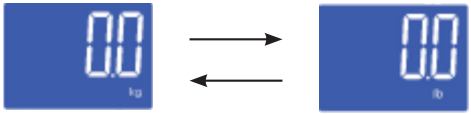
Initial Start - „quick weighing“

Use the **smartLAB**® *scale W* Bathroom Scale to measure your weight. Do not move, stand still and stand on both legs. Tip on the scale shortly with your foot. The scale will turn on and show possible user profiles (P1 untill P8). Choose a user profile number by stepping on the scale as soon as the user number you wish is shown. The scale starts measuring immediately, a beep tells you the end of the measurement and finally shows your body weight on the display. Now you can step off the scale. The scale will deactivate automatically after several seconds.

Start Measuring

Select Measuring Unit

With batteries correctly installed, press the “UNIT” button on the back of the scale to select the measurement unit. The default measurement unit is “kg”. You may press “UNIT” button to choose among kilogram and pound.



Daily Measurement

Thanks to the SENSE ON patent technology, the scale will automatically turn on when you step on the platform.

Stand still and keep full contact with the scale until the LCD displays the weight and the unit stops blinking. A beep will let you know when the weighing is done.

When your scale has been successfully paired with a receiving device such as Smartphone or PC it will automatically send the measured data to the corresponding device if this is turned on. Three short beeps show, if the data transfer was successfull. If you hear two long beeps, the data transmission was not successfull. Anyhow, the data will be saved on the scale with time and date. The scale will try to send the saved data to the gateway in a certain interval. This is why it is important that the device is close to a gateway the first time the batteries are inserted. The gateway will set the scale and send important information like date and time.

Assigning a user profile

The **smartLAB**®*scale W* Bathroom Scale has 8 integrated user profiles. The benefit of the **smartLAB**®*scale W* Bathroom Scale is the automatical recognition of the user without the need of selecting the user profile before measurement. The user profile number is important for wireless data transfer, so when transferring the measured data to a corresponding system, like a telemonitoring system, it will be assigned to the correct user profile.

When using the **smartLAB**®*scale W* Bathroom Scale for the first time, you need to assign an user profile number to yourself. In order to do so, please shortly press on the scale. The scale will turn on and will show P1, P2... untill P8. To select a user profile number you need to step on the scale when the wanted number is shown. Please stay on the scale untill the measurement has been complete. This way, the scale will assign your weight to the chosen profile number. When measuring again, the scale will automatically recognize your weight and will assign it to the accordant user profile. You need to repeat this procedure for each person using the **smartLAB**®*scale W* Bathroom Scale. In the scale a tolerance limit of three kg is integrated so the weight can still be assigned to the correct user profile even when losing or gainig weight.

Wireless data transfer

Your **smartLAB**® *scale W* Bathroom Scale has an integrated ANT+ and BLE module which enables you to transfer measured data to your computer, laptop, PC, Smartphone or sport watch. There you can save, analyze and process the values

When the scale has been successully paired with a receiving device, the measured data will automatically be sent to the corresponding device such as Smartphone or PC via ANT+ or BLE. The **smartLAB**® *scale W* Bathroom Scale will automatically select the correct data transfer technology.

What is ANT?

ANT is a wireless data transfer standard. In order to use it, both transmission- and receiving device must be equipped with an ANT module.

What is BLE?

BLE is a wireless data transfer standard and is part of *Bluetooth*® Smart. In order to use it, both transmission- and receiving device must be equipped with an BLE module.

Data transfer via user profile

Set up your user profile according to the instructions in chapter „Assigning a user profile“ in this manual. Your **smartLAB**® *scale W* Bathroom Scale is preset to transfer the data automatically. Please choose your user profile as it is described in the chapter “Measuring” and start the measurement. Your **smartLAB**® *scale W* will transfer the measured data to the receiving device automatically after the measurement.

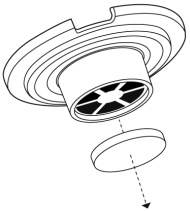
⚠ The **smartLAB**® *scale W* Bathroom Scale recognizes automatically through your weight, which person is currently standing on the scale and uses his user profile. This automatic function requires that you once select the desired user and weigh yourself after that. Future measurements will be recognized automatically.

Data transfer to other wireless data transmitting devices

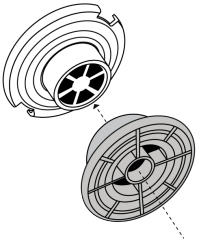
You can connect your **smartLAB**® *scale W* with a partner device which fulfills the standard protocol of ANT or BLE wireless data transfer. You can transfer measured weight values automatically and wireless to the device. Partner devices could be laptops, smartphones, tablets or any other ANT or BLE-capable device. The communication will be enabled by a gateway* which can be installed on PC, Smartphone or Tablet.

Optional: Weighing on a carpet

You can use the **smartLAB**® *scale W* with the extension feet on a carpet. For this please follow these steps:



1. Remove the non-slip pads from the scales feet



2. Fit the extension feet firmly onto the scales feet. Now you can use the scale on a carpet.

* For more information on the gateways please visit www.hline-online.com

IV. Miscellaneous

Maintenance

- Please clean your device regularly with a wet soft cloth. Use a dry soft cloth to dry up the device. Do not use caustic cleaning solutions. Do not put the device under fluent water.
- Protect the device from impacts, humidity, dust, chemicals or fluctuations of temperature. Do not store near heat sources such as ovens or heating installations.
- NEVER take the scale to pieces by yourself. In this case the warranty will not be valid anymore. Only the manufacturer or the authorized trader is allowed to repair the scale. Please check the batteries before any complaint and change them if necessary.

Troubleshooting

Error Prompt

Error	Description	Solution
	Overload. The device will power off in four seconds.	Stop using this scale for measurement. The scale only weighs until 150kg
	Low Battery. The device will power off in four seconds.	Replace all four batteries at the same time. Please purchase the authorized batteries for replacement.

When Measuring ...

Problem	Root Cause	Solution
Abnormal measuring results: - Too high, or - Too low, or - Huge difference between two recent measurement	Incorrect posture	Please step on the platform and stand still.
	The device is located on a soft ground such as a carpet OR on a rugged surface.	Please place the device on a flat, hard surface.
No display on LCD when the device powers on	Batteries not yet installed.	Install the batteries. (Please refer to “Insert the batteries”)
	Worn batteries.	Replace all four batteries at the same time. Please purchase the authorized batteries for replacement.
The device powers off automatically.	Low battery.	Replace all four batteries at the same time. Please purchase the authorized batteries for replacement.

When Data Transmitting...

Problem	Root Cause	Solution
Data transmission failed.	Wireless data transfer technology is OFF	Turn ON wireless data transfer technology on receiving device.
	Receiving device is OFF	Turn on device
	Out of range of receiving device	Place receiving device close to the scale

Symbol Meaning

The warning signs and symbols are essential to ensure your correct and safe use of this product and protect you and others from injury. Please kindly find the meanings of the warning signs and symbols, which you may encounter in the label and user manual, as follows:

	Symbol for "THE OPERATION GUIDE MUST BE READ"		Symbol for "MANUFACTURER"
	Symbol for "COMPLIES WITH MDD93/42/ECC REQUIREMENTS"		Symbol for "MANUFACTURE DATE"
SN	Symbol for "SERIAL NUMBER"		Symbol for "ENVIRONMENT PROTECTION – Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice"
	Symbol for "DIRECT CURRENT		

Regularity and Safety Notice

Declaration of Conformity
This product is compliant with the EC Directives: -1999/5/EC

Safety Statement
This product has been verified to conform to the safety certification in accordance with the specification of EN Standards: EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011

WEEE note

The WEEE (Waste Electrical and Electronic Equipment) Directive, that came into effect as European law on 13th February 2003, led to a major change in the disposal of electrical equipment.

The primarily purpose of this directive is to prevent electronic waste (WEEE), while encouraging for reuse, recycling and other forms of reprocessing to reduce waste.

The WEEE logo on the product and the packaging indicates that it is not allowed to dispose of the product in the ordinary household waste. It is your responsibility to deliver all the disused electrical and electronic equipment to the respective collection points. A separate collection and proper recycling of electronic waste helps dealing economically with natural resources. Furthermore, the recycling of electrical waste is a contribution to the conservation of our environment and thus the health of all people. More information concerning the disposal of electrical and electronic devices, reprocessing and the collection points
you can get from the local authorities, waste disposal companies, from retailers and manufacturers of the device.

RoHS compliance

This product complies with Directive 2002/95/EC of the European Parliament and the Council of 27th January 2003 regarding the limited use of dangerous substances in electrical and electronic equipment (RoHS) and its variations.

Warranty

HMM Diagnostics GmbH products need to fulfill high quality requirements. Because of this reason, HMM Diagnostics GmbH gives a 2-year warranty by purchasing this **smartLAB**® product. You can even extend the warranty from 3 to 5 years without extra pay when you register your product. Please register online under following website: www.hmm.info/en/registration.

Wear parts, batteries etc. are excluded from warranty

Manufacturer:

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Weitere Informationen zu den smartLAB® Produkten / More information on our smartLAB® products:

www.smartlab.org

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